## AMENDMENTS TO THE CLAIMS

Please cancel Claims 62, 73, 74 and 77 and amend the remaining Claims as follows:

Claims 1-59 (Canceled)

(Currently amended) An isolated nucleic acid molecule selected from the group consisting of:

- (a) an isolated nucleic acid molecule having an at least 50 contiguous nucleotide region identical in sequence to an at least 50 contiguous nucleotide region from SEQ ID NO:54, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:59, SEQ ID NO:60, SEQ ID NO:62, SEQ ID NO:63, SEQ ID NO:64, SEQ ID NO:65, SEQ ID NO:67, SEQ ID NO:68 or SEQ ID NO:70;
- (b) an isolated nucleic acid molecule comprising an at least 60-nucleotide region that is a nucleic acid sequence at least 95% identical in to the sequence to an at least 60 contiguous nucleotide region from of SEQ ID NO:54, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:65, SEQ ID NO:67, or SEQ ID NO:68 or SEQ ID NO:70, wherein said isolated nucleic acid molecule encodes a protein that binds a canine IL-13 protein; and
- (c) an isolated nucleic acid molecule fully complementary to the isolated nucleic acid molecule of (a) or (b).

isolated nucleic acid molecule comprises a nucleic acid sequence encoding an amino acid sequence selected from SEQ-ID-NO:55, SEQ-ID-NO:58, SEQ-ID-NO:61, SEQ-ID-NO:66 or SEQ-ID-NO:69 SEQ-ID-NO:64, SEQ-ID-NO:66, SEQ-ID-NO:69, SEQ-ID-NO:63, SEQ-ID-NO:64, SEQ-ID-NO:65, SEQ-ID-NO:67, SEQ-ID-NO:67, SEQ-ID-NO:67, SEQ-ID-NO:68 or SEQ-ID-NO:67, SEQ-ID-NO:68 or SEQ-ID-NO:70.

62. (Canceled)

(Reiterated) An isolated nucleic acid molecule selected from the group consisting of:

- (a) an isolated nucleic acid molecule encoding a protein selected from the group consisting of:
- (i) a protein comprising an amino acid sequence 95% identical to the sequence of SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69, wherein said protein binds a canine IL-13 protein; and
- (ii) a protein comprising an at least 40 contiguous amino acid region identical in sequence to an at least 40 contiguous amino acid region from SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69; and
- (b) an isolated nucleic acid molecule fully complementary to an isolated nucleic acid molecule of (a).
- (Currently amended) An isolated protein selected from the group consisting of:

  (a) a protein comprising an at least 50 40 contiguous amino acid sequence identical to an at least 50 40 contiguous amino acid sequence from SEQ ID NO:55, SEQ ID
- NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69,-wherein said protein binds a canine IL-13 protein; and
- (b) a protein comprising an amino acid sequence that is at least 95% identical in sequence to SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69, wherein said protein binds a canine IL-13 protein.
- (Reiterated) The isolated protein of claim 4, wherein said isolated protein comprises an amino acid sequence selected from SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69.
- 6. (Currently amended) An isolated ehimeric nucleic acid molecule encoding a fusion protein, wherein said nucleic acid molecule comprises a first nucleic acid sequence encoding a carrier protein, and wherein said nucleic acid molecule further comprises a second nucleic acid sequence encoding comprising a carrier protein domain and a canine Hz-13Ra2 protein domain, wherein said capine Hz-13Ra2 protein domain comprises an at least 40 contiguous amino acid region identical in sequence to an at least 40 contiguous amino acid region from SEQ ID NO:55,

SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69, and wherein said earline H. 13Ra2 protein domain binds a canine II. 13 protein.

(Reiterated) The chimeric nucleic acid molecule of claim of, wherein said fusion protein comprises a linker sequence.

(Currently amended) The chimeric nucleic acid molecule of claim 6, wherein said carrier protein domain is an immunoglobulin Fc region.

(Currently amended) The chimeric nucleic acid molecule of claim to, wherein said carrier protein domain is a canine immunoglobulin Fe region.

(Currently amended) The chimeric nucleic acid molecule of claim so, wherein said carrier protein domain is a canine immunoglobulin gamma Fc region.

Currently amended) The chimeric nucleic acid molecule of claim 66, wherein said chimeric nucleic acid molecule comprises a second nucleic acid sequence is at least 95% identical to a nucleic acid sequence selected from the group consisting SEQ ID-NO:71, SEQ ID-NO:71, SEQ ID-NO:71, SEQ ID-NO:80 and SEQ ID-NO:82 SEQ ID-NO:54, SEQ ID-NO:57, SEQ ID-NO:60, SEQ ID-NO:63, SEQ ID-NO:65 and SEQ ID-NO:68, and wherein said second nucleic acid sequence encodes a protein that binds a canine IL-13 protein.

(Currently amended) The chimeric nucleic acid molecule of claim 66, wherein said II.—13Rn2 protein—domain is encoded by second nucleic acid sequence is selected from the group consisting of SEQ ID NO:54, SEQ ID NO:57, SEQ ID NO:60, SEQ ID NO:63, SEQ ID NO:65 and SEQ ID NO:68 SEQ ID NO:71, SEQ ID NO:74, SEQ ID NO:77, SEQ ID NO:80 and SEQ ID NO:82.

73. (Canceled)

74. (Canceled)

a carrier protein second domain, wherein said first domain comprises the amino acid sequence of a carrier protein, and wherein the second domain comprises an at least 40 contiguous amino acid region identical in sequence to an at least 40 contiguous amino acid region from SEQ ID NO:55, SEO ID NO:58, SEO ID NO:61, SEO ID NO:66 or SEO ID NO:69.

(Currently amended) The fusion protein of claim 16, wherein said fusion protein comprises an amino acid sequence selected from the group consisting of <u>SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66, SEQ ID NO:69, SEQ ID NO:72, SEQ ID NO:75, SEQ ID NO:78 and SEQ ID NO:81.</u>

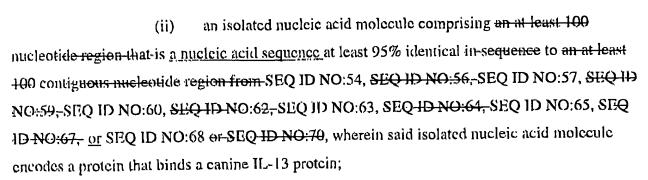
77. (Canceled)

6. (Currently amended) Λ therapeutic composition comprising a nucleic acid-molecule comprising a nucleic acid molecule encoding a protein selected from a canine II -13Rα2 protein and the fusion protein of claim 75 the isolated protein of Claim 64.

(Reiterated) A method to regulate an immune response in a canid, said method comprising administering to said canid the therapeutic composition of claim 38.

(Currently amended) A method to produce a canine IL-13Ra2 protein, said method comprising:

- (a) culturing a cell comprising a recombinant nucleic acid molecule selected from the group consisting of:
- (i) an isolated nucleic acid molecule having an at least 50 contiguous nucleotide region identical in sequence to an at least 50 contiguous nucleotide region from SEQ ID NO:54, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:59, SEQ ID NO:60, SEQ ID NO:62, SEQ ID NO:63, SEQ ID NO:64, SEQ ID NO:65, SEQ ID NO:67, SEQ ID NO:68 or SEQ ID NO:70;



(iii) an isolated nucleic acid molecule encoding a protein comprising an amino acid sequence 95% identical to the SEQ of SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69, wherein said protein binds a canine IL-13 protein; and

(iv) an isolated nucleic acid molecule encoding a protein comprising an at least 40 contiguous amino acid region identical in sequence to an at least 40 contiguous amino acid region from SEQ of SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:61, SEQ ID NO:66 or SEQ ID NO:69, wherein said protein binds a carrine IL 13 protein; and

(v) an isolated nucleic acid molecule fully complementary to the isolated nucleic acid molecule of (i), (ii), (iii) or (v); and

(b) recovering said canine IL-13Rα2 protein.